

22, and 23 as shown by the red ink notations on the accompanying copy of Figure 1b.

IN THE CLAIMS

Please amend the claims as follows:

1. A flow sensor package comprising:

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A₁
a housing having an inlet, an outlet, and first and second channels in communication with the inlet and the outlet;

a sensing element in the first channel;

a restriction in the second channel; and

a seal engaging the sensing element so as to prevent flow of a fluid past the sensing element, wherein the seal has an electrically conductive path from the sensing element to a lead, and wherein the lead is outside of the housing.

11. A flow sensor package comprising:

B2
a housing, an inlet, an outlet, and first and second channels in communication with the inlet and the outlet;

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B5
a sensing element in the first channel, wherein the sensing element has first and second opposing sides, wherein the first side is in fluid communication with the

inlet, and wherein the second side is in fluid communication with the outlet;

a restriction in the second channel, wherein the restriction permits flow of a liquid through the inlet, the second channel, and the outlet; and

a seal engaging the sensing element so as to prevent flow of the liquid past the sensing element, wherein the sensing element senses a pressure change across the restriction.

20. A method of determining flow rate through a flow conductor comprising the following steps of:

creating a pressure change within a housing having only two separate housing portions;

sensing the pressure change using a sensing element mounted within the housing;

sealing the sensing element within the housing using a seal; and

communicating an electrical signal from the sensing element to an exterior of the housing.

21. The method of Claim 20, wherein the sealing step comprises the step of sealing leakage between the two separate portions of the housing.

Please add the following claims:

23. The method of Claim 20, wherein the communicating step comprises the step of communicating the electrical signal from the sensing element through the seal to an exterior of the housing.

24. The flow sensor package of Claim 1, wherein the seal comprises an elastomeric seal.

Please cancel claims 5, 8, and 10.

REMARKS

Claims 1-4, 6, 7, 9, and 11-24 are now in the application.

In the Office Action, the Examiner objected to the Drawings. As shown above, applicants propose to amend the Drawings to overcome the Examiner's objections.

In the Office Action, the Examiner rejected claims 1-22 under 35 U.S.C. §102 as being anticipated by the Frick patent. Claim 1 is directed to a flow sensor package in which a seal engages a sensing element located in a first channel of the housing so as to prevent flow of a fluid past the sensing element. According to claim 1, the seal has an electrically conductive path from the sensing element to a lead that is outside of the housing.